

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P455486

Luminaire Tested: **GLAN-SA6C-830-U-T2**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455486  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-830-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33317 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

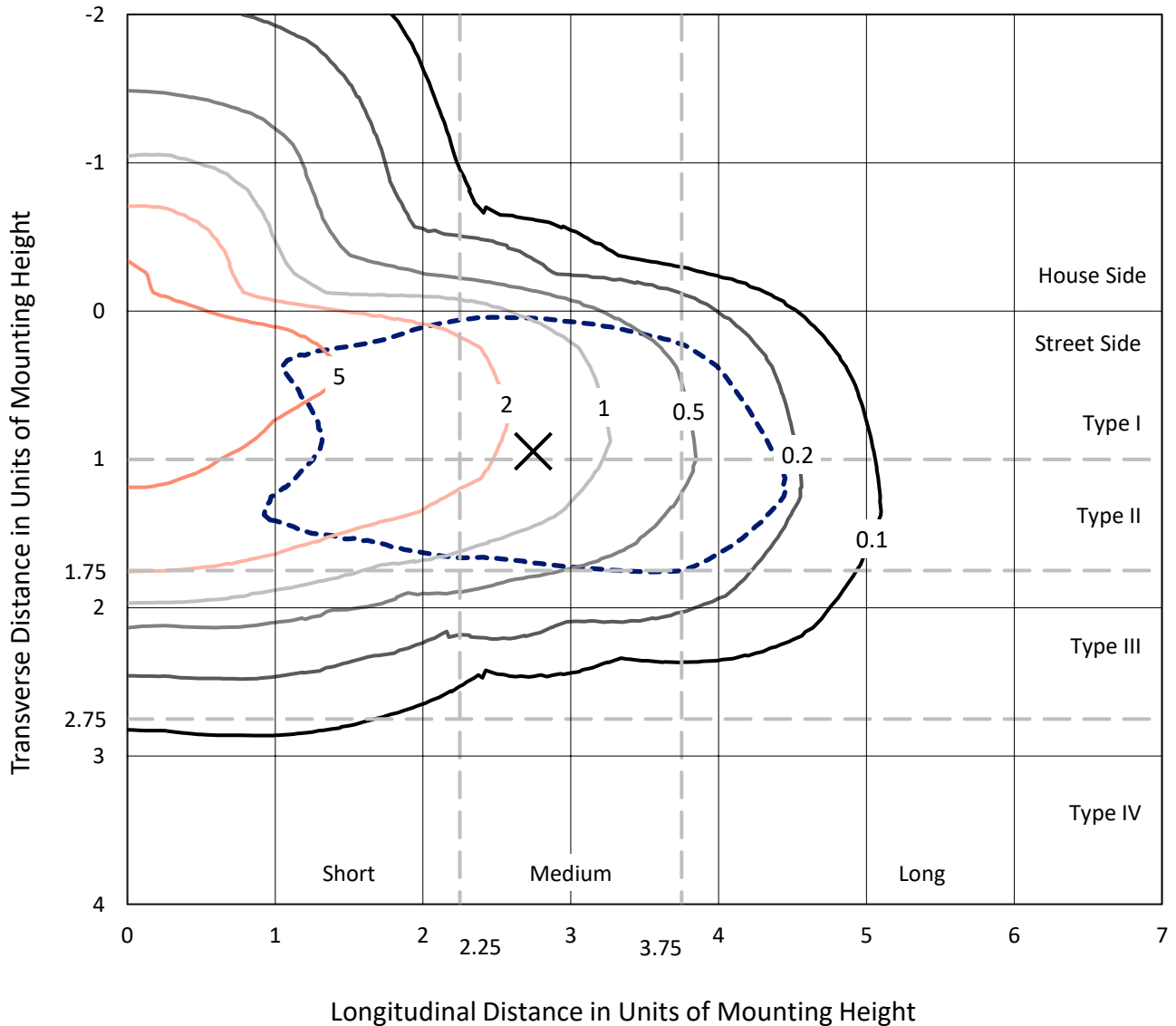
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P455486  
 CATALOG NUMBER: GLAN-SA6C-830-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

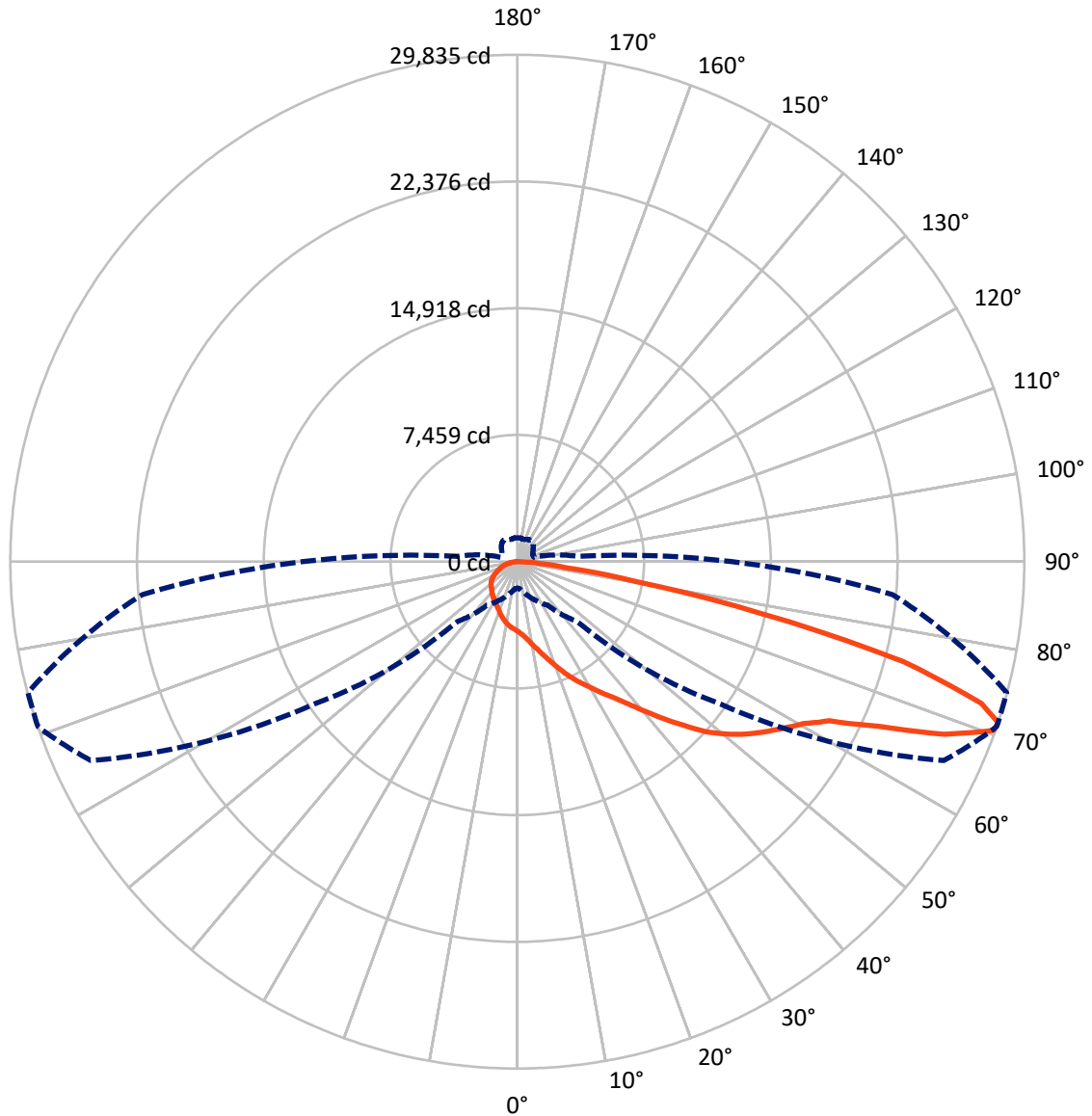
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P455486  
CATALOG NUMBER: GLAN-SA6C-830-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P455486

CATALOG NUMBER: GLAN-SA6C-830-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5992.0	0.0	5992.0
	% Fixture	18.0	0.0	18.0
<b>Street Side</b>	Lumens	27325.0	0.0	27325.0
	% Fixture	82.0	0.0	82.0
<b>Total</b>	Lumens	33317.0	0.0	33317.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.6	1.2
10°-20°	1333.9	4.0
20°-30°	2331.1	7.0
30°-40°	3467.2	10.4
40°-50°	5108.4	15.3
50°-60°	7151.9	21.5
60°-70°	7999.2	24.0
70°-80°	4886.2	14.7
80°-90°	628.6	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	33317.0	100.0
0°-180°	33317.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P455486

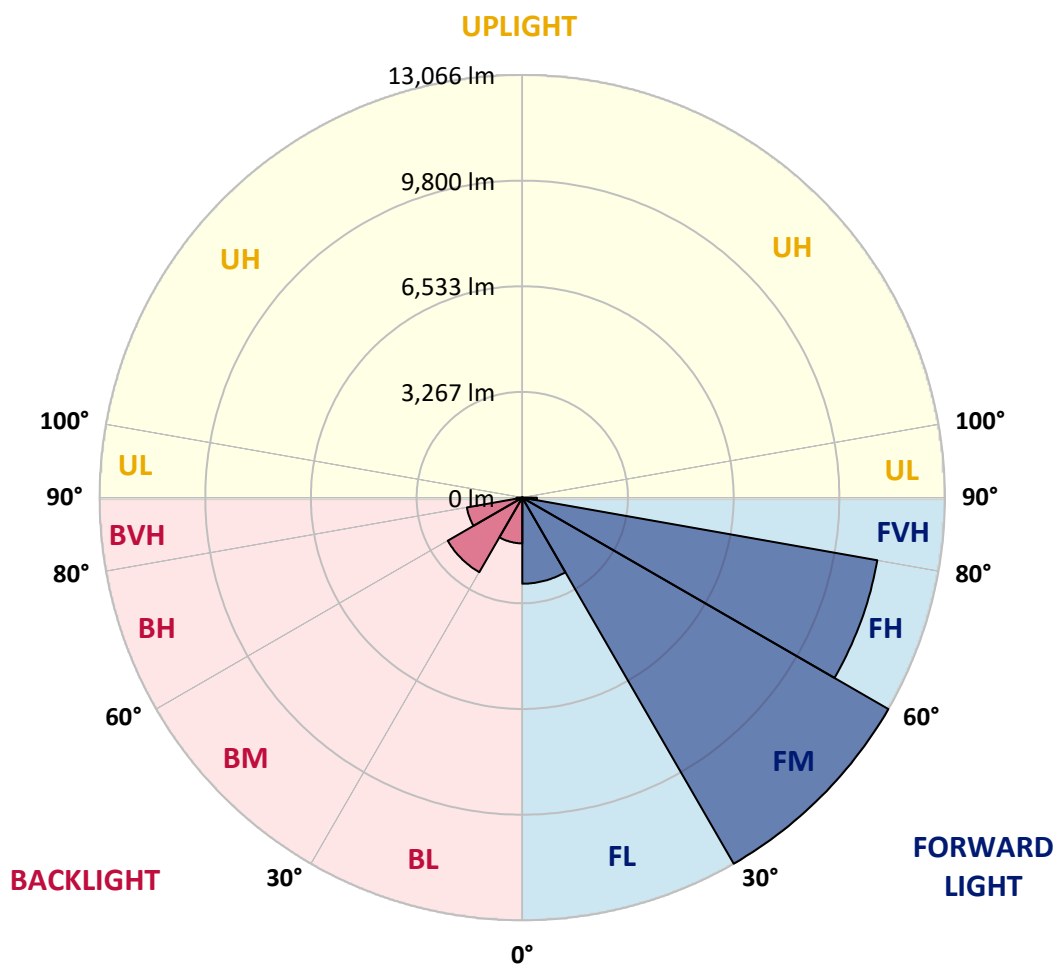
CATALOG NUMBER: GLAN-SA6C-830-U-T2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2662.0	8.0			
FM (30°-60°)	13066.3	39.2			
FH (60°-80°)	11144.4	33.4			G4/12000
FVH (80°-90°)	452.3	1.4			G3/500
BL (0°-30°)	1413.5	4.2	B3/2500		
BM (30°-60°)	2661.3	8.0	B3/5000		
BH (60°-80°)	1740.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	176.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium





REPORT NUMBER: P455486

CATALOG NUMBER: GLAN-SA6C-830-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0
2.5°	4539.5	4517.5	4519.3	4488.2	4447.9	4404.0	4341.7	4286.8	4242.8	4217.2	4142.1
5°	5030.2	5008.3	4980.8	4913.0	4883.7	4775.7	4638.4	4513.8	4418.6	4365.5	4215.4
7.5°	5427.6	5422.1	5414.8	5376.3	5301.2	5151.1	5033.9	4817.8	4676.8	4576.1	4319.7
10°	5673.0	5682.1	5687.6	5694.9	5663.8	5585.1	5423.9	5151.1	4971.6	4843.4	4455.2
12.5°	5797.5	5806.6	5837.8	5905.5	5947.6	5938.5	5806.6	5539.3	5292.1	5123.6	4599.9
15°	5874.4	5889.0	5944.0	6033.7	6174.7	6264.4	6200.3	5953.1	5682.1	5482.5	4772.0
17.5°	5958.6	5975.1	6035.5	6163.7	6348.7	6542.8	6612.4	6399.9	6105.1	5867.1	4964.3
20°	6006.2	6028.2	6114.3	6282.7	6498.8	6780.8	7011.6	6899.9	6577.6	6313.9	5185.9
22.5°	6083.1	6101.5	6174.7	6354.2	6612.4	6965.8	7410.7	7386.9	7103.1	6762.5	5429.4
25°	6291.9	6321.2	6357.8	6465.9	6714.9	7154.4	7742.2	7907.0	7612.2	7231.3	5652.8
27.5°	6685.6	6709.4	6707.6	6722.2	6863.2	7317.4	8029.7	8421.6	8117.6	7705.6	5868.9
30°	7134.2	7143.4	7150.7	7117.8	7148.9	7484.0	8293.4	8930.6	8626.6	8192.7	6057.5
32.5°	7679.9	7698.2	7636.0	7551.7	7526.1	7731.2	8511.3	9439.7	9229.1	8687.1	6244.3
35°	8324.5	8372.1	8245.8	8097.4	7993.1	8086.5	8804.3	9959.7	9846.2	9318.8	6491.5
37.5°	9060.6	9119.2	9002.0	8710.9	8562.6	8588.2	9187.0	10602.5	10626.3	10038.5	6859.6
40°	9663.1	9740.0	9743.7	9331.6	9106.4	9135.7	9672.2	11294.7	11567.5	10928.4	7293.6
42.5°	10060.5	10135.5	10214.3	9972.6	9736.3	9903.0	10238.1	12045.4	12625.9	12008.8	7899.7
45°	10496.3	10564.0	10608.0	10498.1	10366.3	10798.4	10921.1	12843.8	13753.9	13215.6	8562.6
47.5°	11001.7	11076.8	11118.9	11014.5	10965.1	11584.0	11657.2	13589.1	14958.8	14387.5	9295.0
50°	11675.5	11732.3	11710.3	11644.4	11633.4	12186.4	12364.1	14286.8	15953.2	15649.2	10055.0
52.5°	12514.2	12582.0	12605.8	12512.4	12470.3	12616.8	12933.6	14922.2	16857.8	16733.2	10866.2
55°	13021.5	13129.5	13492.1	13638.6	13739.3	13173.4	13547.0	15623.5	17669.0	17875.9	11737.8
57.5°	12371.4	12510.6	13321.8	14054.2	15001.0	14565.1	14416.8	16356.0	18480.2	18983.7	12781.6
60°	10785.6	10816.7	11862.3	13211.9	15116.3	16354.2	16231.5	17520.6	19359.1	20100.8	14156.8
62.5°	7482.2	7548.1	8784.1	10937.6	13691.7	16998.8	19318.9	19531.3	20619.0	21772.6	16172.9
65°	3858.3	3772.2	4898.4	6874.2	10322.3	15467.9	21820.2	23228.4	23351.1	24387.5	19011.2
67.5°	2375.0	2413.5	2940.9	4013.9	6103.3	11241.6	21558.4	27745.9	27099.5	27597.6	21646.3
70°	1783.6	1831.2	2193.7	2746.8	3720.9	6427.4	17337.5	28840.9	29743.7	29615.5	22448.3
71°	1551.0	1600.4	1977.7	2499.5	3125.8	4960.6	14607.3	27694.6	29835.3	29813.3	22146.2
72.5°	1322.1	1353.2	1648.1	2116.8	2635.1	3477.4	10974.2	24838.0	28562.6	29293.2	21067.6
75°	1038.3	1062.1	1193.9	1615.1	2074.7	2135.1	5889.0	18621.2	23459.1	24850.8	17539.0
77.5°	846.0	862.5	930.2	1199.4	1600.4	1512.5	3089.2	12120.5	14697.0	16097.8	10331.5
80°	672.0	690.4	730.6	813.0	1199.4	1078.6	1474.1	6141.7	7099.4	7084.8	4123.8
82.5°	521.9	527.4	575.0	597.0	820.4	765.4	798.4	2600.3	2880.4	2975.7	1488.7
85°	329.6	346.1	509.1	457.8	490.8	448.6	393.7	1032.8	1272.7	1254.4	595.1
87.5°	100.7	106.2	172.1	194.1	217.9	195.9	144.7	304.0	371.7	402.9	148.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P455486

CATALOG NUMBER: GLAN-SA6C-830-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0	4089.0
2.5°	4112.8	4092.7	4021.3	3962.7	3907.7	3847.3	3796.0	3781.4	3768.5	3763.1	3761.2
5°	4151.3	4090.8	3949.8	3834.5	3742.9	3658.7	3605.6	3581.8	3558.0	3558.0	3565.3
7.5°	4206.2	4096.3	3878.4	3706.3	3590.9	3512.2	3473.7	3470.1	3475.6	3481.1	3482.9
10°	4266.6	4092.7	3774.0	3559.8	3457.3	3420.6	3422.5	3453.6	3482.9	3504.9	3508.5
12.5°	4325.2	4070.7	3651.4	3422.5	3356.5	3363.9	3415.1	3484.7	3541.5	3572.6	3574.4
15°	4391.1	4035.9	3503.0	3292.4	3270.5	3327.2	3422.5	3528.7	3614.7	3666.0	3671.5
17.5°	4446.1	3977.3	3347.4	3166.1	3193.6	3297.9	3429.8	3567.1	3671.5	3735.6	3746.6
20°	4508.3	3902.2	3186.2	3045.2	3124.0	3265.0	3415.1	3563.5	3671.5	3733.8	3748.4
22.5°	4557.8	3796.0	3032.4	2946.4	3061.7	3224.7	3365.7	3484.7	3572.6	3605.6	3627.5
25°	4577.9	3662.3	2887.8	2865.8	3012.3	3158.8	3254.0	3321.7	3349.2	3345.5	3354.7
27.5°	4566.9	3508.5	2763.2	2801.7	2950.0	3056.2	3103.8	3098.3	3048.9	3003.1	3025.1
30°	4521.2	3325.4	2658.9	2735.8	2869.4	2928.0	2920.7	2849.3	2755.9	2669.8	2675.3
32.5°	4438.8	3127.6	2561.8	2660.7	2755.9	2781.5	2732.1	2638.7	2505.0	2393.3	2376.9
35°	4369.2	2939.0	2475.7	2574.6	2642.4	2629.6	2582.0	2461.1	2340.2	2241.4	2224.9
37.5°	4358.2	2777.9	2393.3	2477.6	2516.0	2497.7	2439.1	2336.6	2292.6	2217.5	2208.4
40°	4416.8	2664.4	2309.1	2375.0	2393.3	2378.7	2314.6	2256.0	2296.3	2278.0	2278.0
42.5°	4576.1	2603.9	2234.0	2272.5	2287.1	2298.1	2252.3	2202.9	2252.3	2168.1	2140.6
45°	4828.8	2605.8	2166.3	2171.8	2215.7	2254.2	2223.0	2149.8	2124.2	1955.7	1922.7
47.5°	5200.5	2668.0	2111.3	2076.5	2155.3	2219.4	2175.4	2069.2	1955.7	1844.0	1823.8
50°	5634.5	2779.7	2061.9	1977.7	2074.7	2175.4	2142.5	2018.0	1900.8	1833.0	1820.2
52.5°	6116.1	2920.7	2001.5	1867.8	1975.8	2155.3	2149.8	2010.6	1849.5	1803.7	1792.7
55°	6711.2	3059.9	1926.4	1739.6	1887.9	2138.8	2129.7	1950.2	1838.5	1805.5	1801.9
57.5°	7403.4	3261.3	1818.4	1609.6	1787.2	2071.1	2050.9	1913.6	1801.9	1778.1	1776.2
60°	8518.6	3574.4	1664.5	1490.6	1684.7	1952.0	1977.7	1851.3	1743.3	1737.8	1735.9
62.5°	9985.4	4013.9	1505.2	1367.9	1565.7	1798.2	1871.5	1767.1	1681.0	1708.5	1712.1
65°	12010.6	4383.8	1340.4	1263.5	1433.8	1649.9	1770.7	1688.3	1611.4	1664.5	1664.5
67.5°	13330.9	4391.1	1190.3	1155.5	1300.1	1525.4	1664.5	1594.9	1521.7	1611.4	1615.1
70°	13056.2	3847.3	1065.7	1041.9	1170.1	1391.7	1547.3	1492.4	1408.2	1488.7	1459.4
71°	12613.1	3545.1	1016.3	998.0	1118.8	1327.6	1492.4	1446.6	1362.4	1415.5	1399.0
72.5°	11906.3	3078.2	935.7	939.4	1041.9	1247.0	1415.5	1367.9	1283.7	1312.9	1307.5
75°	10064.1	2688.2	800.2	816.7	895.4	1109.7	1261.7	1225.1	1139.0	1139.0	1133.5
77.5°	6291.9	1878.8	664.7	673.9	759.9	950.4	1084.1	1052.9	970.5	943.1	935.7
80°	2347.6	970.5	520.1	531.0	584.1	748.9	897.3	868.0	783.7	752.6	723.3
82.5°	888.1	487.1	382.7	373.6	430.3	571.3	703.2	668.4	602.5	527.4	505.4
85°	335.1	241.7	234.4	227.1	252.7	338.8	435.8	428.5	358.9	305.8	300.3
87.5°	87.9	78.7	91.6	67.8	71.4	64.1	65.9	27.5	12.8	5.5	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)